

# Material Safety Data Sheet

Issued: 02/14/2011

Revision Number: 4

## 1. Identification of Substance /Preparation and Company /Undertaking

Product Name: DUO-LINK Base/Catalyst  
Manufacturer: Bisco, Inc. 1100 W Irving Park Road, Schaumburg, IL 60193 USA  
Telephone: 1-847-534-6000, during normal business hours

Emergency CHEMTREC - 24-Hour Hazmat Emergency Communications Center  
Telephone Number: Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

EC Representative: Bisico France, 120, allée de la Coudoulette, 13680 Lançon de Provence, France  
Telephone: 33-4-90-42-92-92

## 2. Composition/Information on Ingredients

Ingredient	Concentration Range (%)	CAS Number	Symbol/Risk Classificaton	OSHA PEL (mg/m3)	ACGIH (mg/m3)	LD50 (mg/kg, rat/oral)
BASE:						
Bis-GMA.	<20.	1565-94-2.	Xi; R43.	N/D.	N/D.	N/D.
Triethyleneglycol Dimethacrylate.	<15.	109-16-0.	Xi; R36/37/38.	N/D.	N/D.	10837.
Urethane dimethacrylate.	<18.	72869-86-4.	N/A.	N/D.	1.	N/D.
Glass Filler.	<65.	65997-18-4.	N/A.	0.5.	0.5.	N/D.
CATALYST:						
Bis-GMA.	>20.	1565-94-2.	Xi; R43.	N/D.	N/D.	N/D.
Triethyleneglycol Dimethacrylate.	>20.	109-16-0.	Xi; R36/37/38.	N/D.	N/D.	10837.
Glass Filler	>50	65997-18-4	N/A	0.5	0.5	N/D

## 3. Hazards Identification

Irritant, Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.

## 4. First-aid Measures

Inhalation: Provide fresh air and rest.  
Skin Contact: Wash with soap and water.  
Eye Contact: Flush with running water for at least 15 minutes while keeping eye lids open; seek medical attention.  
Ingestion: Drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested.

## 5. Fire-fighting Measures

Fire-fighting media: Dry chemical powder, foam or carbon dioxide.  
Fire and explosion risks: Upon combustion, irritating gases may form.

## 6. Accidental Release Measures

Personal Precautions: Prevent skin/eye contact, Provide ventilation.  
Environmental Precautions: Avoid ground water contamination.  
Methods for Cleaning Up: Wipe with damp paper towels, Discard properly.

## 7. Handling and Storage

Store in ventilated cool dry place (<22C/ 72F), avoid high light intensity >10000 lux, this product is used exclusively for dental purposes by trained personnel

**8. Exposure Controls / Personal Protection**

Eye Protection: Use protective eyewear and Surgical face mask.

Hand Protection: Use protective gloves.

Respiratory Protection: Avoid prolonged breathing of vapors of uncured material.

Skin Protection: Use any necessary hygiene measures.

**9. Physical / Chemical Properties**

Appearance	Paste	Vapor Pressure @ 20C/68F	N/A
Color	Base: Tooth Catalyst: White	Miscibility	N/A
Odor	Acrylic	Vapor Density	N/A
Solubility (H2O, fat)	N/A	pH	N/A
Boiling Point / Range	N/A	Evaporation Rate	N/A
Melting Point / Range	N/A	Viscosity	N/A
Flash Point	.131F (55C)	Partition Coefficient	N/A
Conductivity	N/A	Autoflammability	N/A
Explosive Properties	N/A	Flammability	N/A
Oxidizing Properties	N/A	Relative Density	N/A

**10. Stability and Reactivity**

Avoid high temperatures.

**11. Toxicological Information**

Eye Contact: Irritates the eyes.

Skin Contact: May irritate the skin.

Sensitization: May cause allergic reaction on contact with the skin.

Other: Irritating to respiratory system.

**12. Ecological Information**

N/A

**13. Disposal Considerations**

Refer to any Community provisions relating to waste. In their absence, refer to National or Regional provisions relating to waste.

**14. Transport Information**

No special precautions.

**15. Regulatory Information**

Classification: Xi Irritant, R36 Irritating to eyes, R37 Irritating to respiratory system, R38 Irritating to skin, R43 May cause sensitization by skin contact.

Safety: Refer to any applicable National laws.

**16. Other Information**

Revision Date: 02/14/2011 Replaces MSDS dated: 08/01/2008  
Revision Number: 4 Product: DUO-LINK Base/Catalyst

This information is believed to be correct as of the date of this MSDS. The manufacturer makes no representation as to the completeness or accuracy of this information and supplies it on the condition that the person receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will the manufacturer be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

NOTE: CHEMTREC provides an emergency telephone number in the event of an emergency for leak, fire, exposure or accident involving the hazardous material that is being shipped. All non-emergency inquiries should be directed to Bisco during normal working hours.